

Tuesday, 8th March (continued)

Endoplasmic reticulum

Chairman: Richard Wagner

- 15:00 **Arthur E. Johnson** (College Station)
Mechanistic requirements for BiP-mediated closure of the aqueous ER translocon pore
- 15:30 **Bernhard Dobberstein** (Heidelberg)
Structural and functional diversity of the endoplasmic reticulum
- 16:00 **Richard Zimmermann** (Homburg)
The protein translocase of the endoplasmic reticulum

16:30 – 17:00 Coffee break

- 17:00 **Dieter Wolf** (Suttgart)
Endoplasmic reticulum (ER) quality control and degradation: reverse protein flow of no return

Chairman: Nikolaus Pfanner

- 17:30 **Rolf Thauer** (Marburg)
Special Lecture “Of anaerobes and Karl Decker”
- 18:20 Address in honor of Karl Decker by the Vice President of the German Academy of Natural Scientists Leopoldina, **Gunter Fischer**
- Final remarks

20:00 Speakers' Dinner

Wednesday, 9th March

Departure

Conference Venue

**Lecture Hall, Institut für
Experimentelle und Klinische
Pharmakologie und Toxikologie
Albertstrasse 25
D-79104 Freiburg / Breisgau**

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Sonderforschungsbereich 388,
GEFI & Deutsche Akademie
der Naturforscher Leopoldina

International Symposium Protein Sorting

March 6 – 8, 2005
Freiburg / Germany

Organizers:
K. Aktories, M. Müller,
N. Pfanner, P. Rehling,
M. Reth

Information and registration
www.proteinsorting.de

Program of the Symposium

Sunday, 6th March

14:00 [Registration](#)
[Mounting of posters](#)
All posters will be displayed throughout the meeting

16:00 Opening of the meeting ([Nikolaus Pfanner](#))

Protein synthesis and folding

Chairman: [Joachim Rassow](#)

16:05 [Ulrich Hartl](#) (Martinsried)
Chaperone-assisted protein folding in the cytosol

16:35 [Johannes Buchner](#) (Munich)
Functional principles of molecular chaperones

17:05 [Sabine Rospert](#) (Freiburg)
The function of ribosome-associated complex (RAC) is conserved in eukaryotic cells

17:35 – 18:15 Coffee break

Chairman: [Wolfgang Voos](#)

18:15 [Elizabeth A. Craig](#) (Madison)
Regulation of the mitochondrial Hsp70 import motor

18:45 [Gunter Fischer](#) (Halle)
Controlling chemical pathways in protein folding

19:15 Reception

Monday, 7th March

Nucleus

Chairman: [Klaus Aktories](#)

9:00 [Ed Hurt](#) (Heidelberg)
Nuclear pores and nuclear transport

9:30 [Iain Mattaj](#) (Heidelberg)
RanGTPase as a regulator of nuclear envelope and nuclear pore complex assembly

10:00 [Eberhard Schäfer](#) (Freiburg)
Light control of intracellular translocation of the plant photoreceptor phytochrome

10:30 – 11:00 Coffee break

Prokaryotic export and assembly

Chairman: [Georg Schulz](#)

11:00 [Arnold Driessen](#) (Groningen)
Mechanism of Sec-mediated protein translocation and membrane protein insertion

11:30 [Andreas Kuhn](#) (Stuttgart)
Membrane insertases facilitate protein assembly in the cytoplasmic membrane

12:00 [Matthias Müller](#) (Freiburg)
Protein traffic at the cytoplasmic membrane of *Escherichia coli*

12:30 – 14:30 Lunch break

14:30 – 16:30 ***Poster session*** (+ coffee)

Chairman: [Hans G. Koch](#)

16:30 [Tony Pugsley](#) (Paris)
Protein sorting and secretion in *E. coli*

17:00 [Jan Tommassen](#) (Utrecht)
Biogenesis of bacterial outer membrane Proteins

17:30 – 18:00 Coffee break

Mitochondrial import and assembly

Chairman: [Wolf-H. Kunau](#)

18:00 [Walter Neupert](#) (Munich)
Pathways of protein sorting into the mitochondria

18:30 [Toshiya Endo](#) (Nagoya)
Functions of mitochondrial translocators as protein nano-machines

19:00 [Trevor Lithgow](#) (Melbourne)
Convergent evolution of protein translocation machinery in plants and animals

Free evening

Tuesday, 8th March

Mitochondrial import and assembly

Chairman: [Wolf-H. Kunau](#)

9:00 [Nikolaus Pfanner](#) (Freiburg)
Import and assembly of mitochondrial proteins

9:30 [Carla Koehler](#) (Los Angeles)
Protein import into the mitochondrial inner membrane

10:00 [Peter Rehling](#) (Freiburg)
The presequence translocase of the inner mitochondrial membrane

10:30 – 11:00 Coffee break

Chloroplasts

Chairman: [Ralf Reski](#)

11:00 [Jürgen Soll](#) (Munich)
Chloroplast protein import

11:30 [Felix Kessler](#) (Neuchâtel)
GTP-dependent interactions of Toc-proteins in chloroplast protein import

12:00 [Ken Cline](#) (Gainsville)
The chloroplast TAT protein transport system

12:30 – 14:30 Lunch break